Title (en)

ELECTROPHOTOGRAPHIC PHOTORECEPTOR, PROCESS CARTRIDGE, AND ELECTROPHOTOGRAPHIC APPARATUS

Title (de)

ELEKTROPHOTOGRAPHISCHER PHOTOEMPFÄNGER, PROZESSKARTUSCHE UND ELEKTROPHOTOGRAPHISCHE VORRICHTUNG

Title (fr)

PHOTORÉCEPTEUR ÉLECTROPHOTOGRAPHIQUE, CARTOUCHE DE TRAITEMENT ET APPAREIL ÉLECTROPHOTOGRAPHIQUE

Publication

EP 1983373 B1 20180808 (EN)

Application

EP 07707994 A 20070130

Priority

- JP 2007051864 W 20070130
- JP 2006022896 A 20060131
- JP 2006022898 A 20060131
- JP 2006022899 A 20060131
- JP 2006022900 A 20060131
- JP 2007016217 A 20070126

Abstract (en)

[origin: US2008124637A1] An electrophotographic photosensitive member is disclosed which is excellent in cleaning performance, has improved durability, and suppresses image defects in various environments. The electrophotographic photosensitive member has a support and a photosensitive layer provided on the support. Depressed portions independent of one another are formed on the surface of the electrophotographic photosensitive member so that the number of the depressed portions per 100 mum square is 76 or more and 1,000 or less. The openings of the depressed portions have an average major axis diameter of more than 3.0 mum and 14.0 mum or less.

IPC 8 full level

G03G 5/147 (2006.01); **G03G 5/00** (2006.01); **G03G 5/04** (2006.01)

CPC (source: EP KR US)

G03G 5/00 (2013.01 - EP KR US); **G03G 5/04** (2013.01 - EP KR US); **G03G 5/0546** (2013.01 - KR); **G03G 5/147** (2013.01 - EP KR US); **G03G 5/1476** (2013.01 - KR)

Cited by

EP2127842A4; EP2508949A4; US8843024B2; US7931848B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 2008124637 A1 20080529; **US 7718331 B2 20100518**; EP 1983373 A1 20081022; EP 1983373 A4 20110504; EP 1983373 B1 20180808; JP 2007233355 A 20070913; JP 4183267 B2 20081119; KR 100966195 B1 20100628; KR 20080090553 A 20081008; WO 2007088997 A1 20070809

DOCDB simple family (application)

US 77012707 A 20070628; EP 07707994 A 20070130; JP 2007016217 A 20070126; JP 2007051864 W 20070130; KR 20087021172 A 20070130